

FIG.1
PRIOR ART

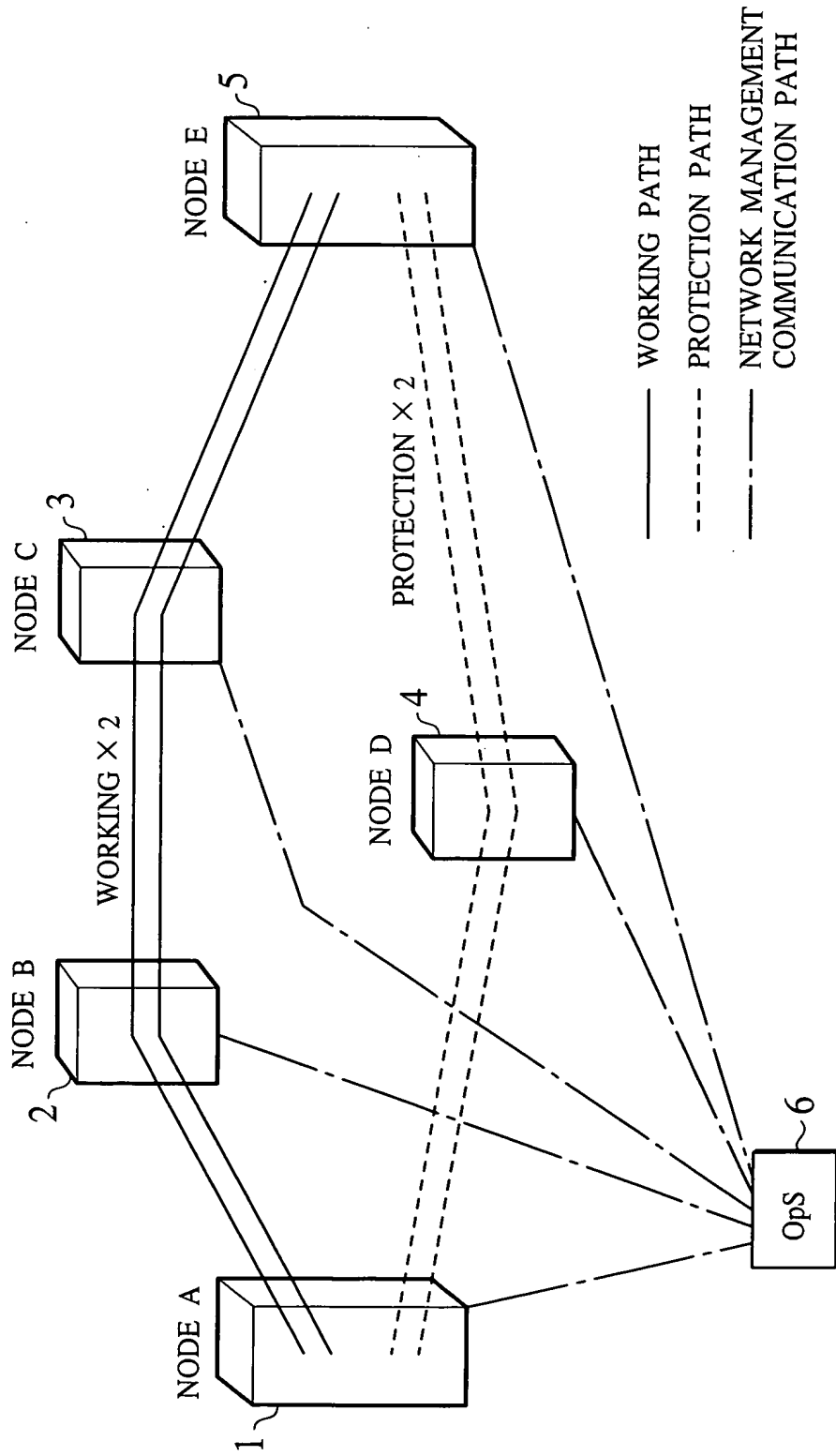
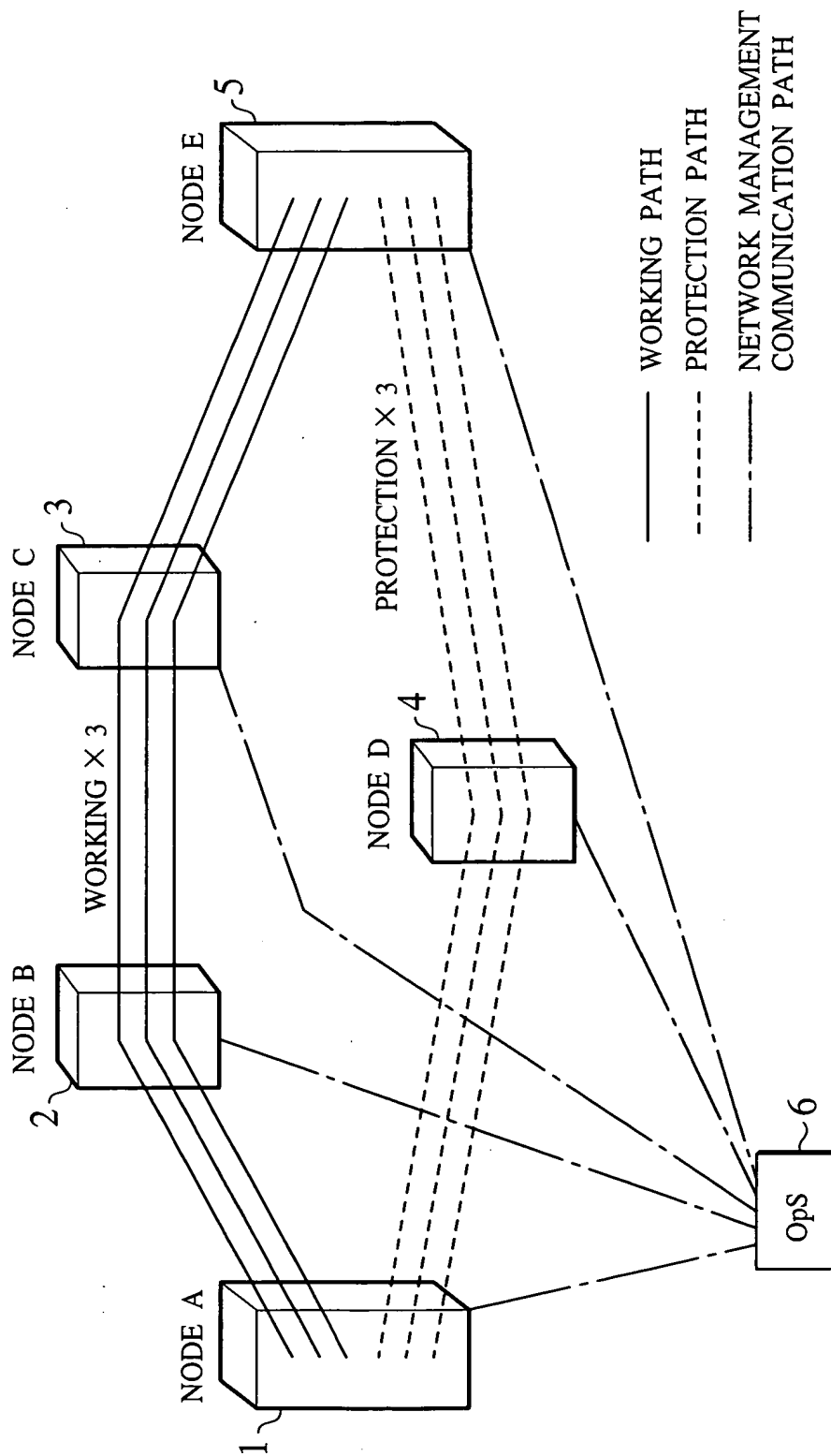


FIG.2
PRIOR ART



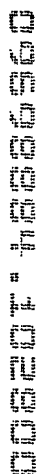
[illegible]

FIG.4

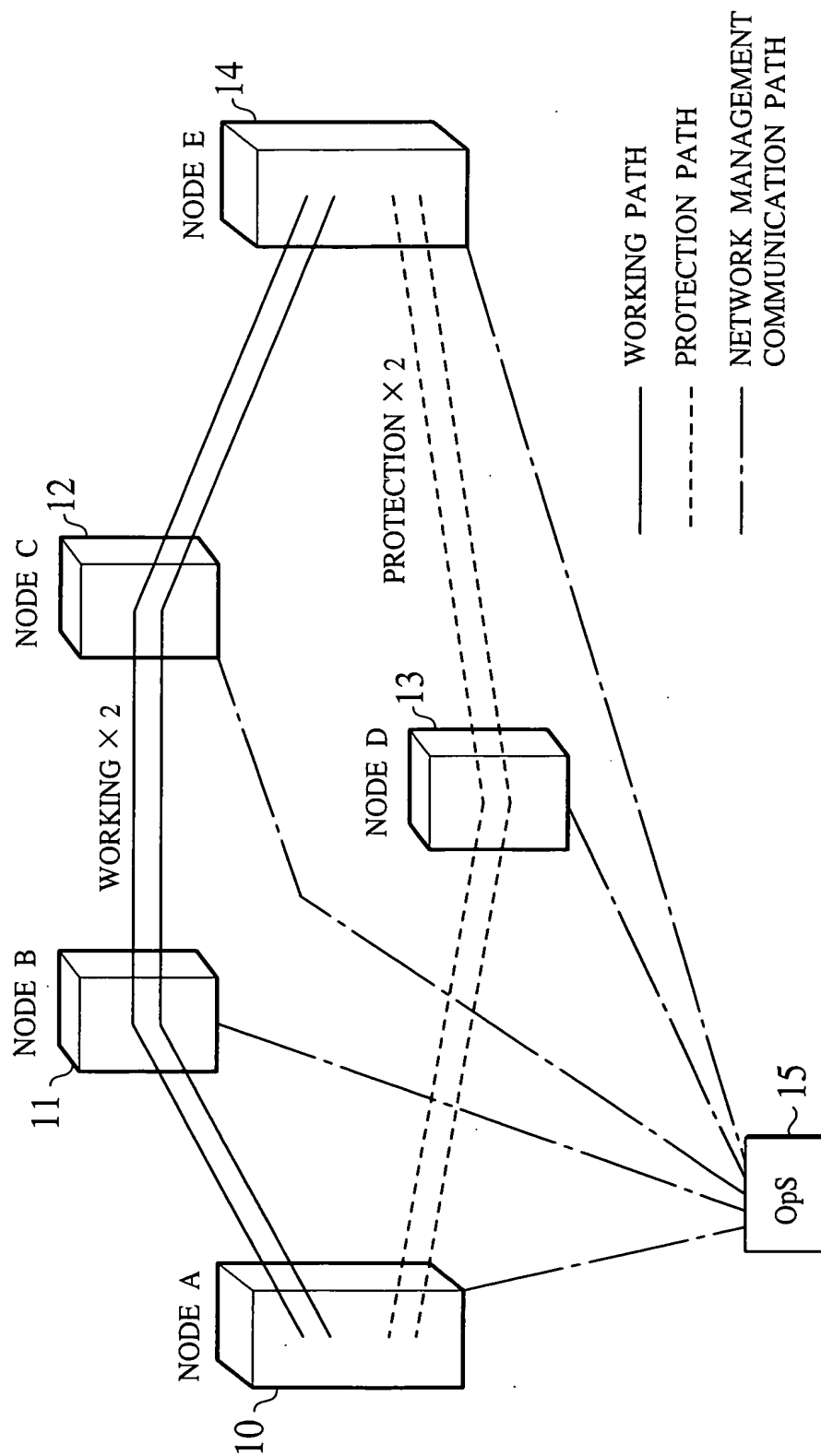


FIG.5

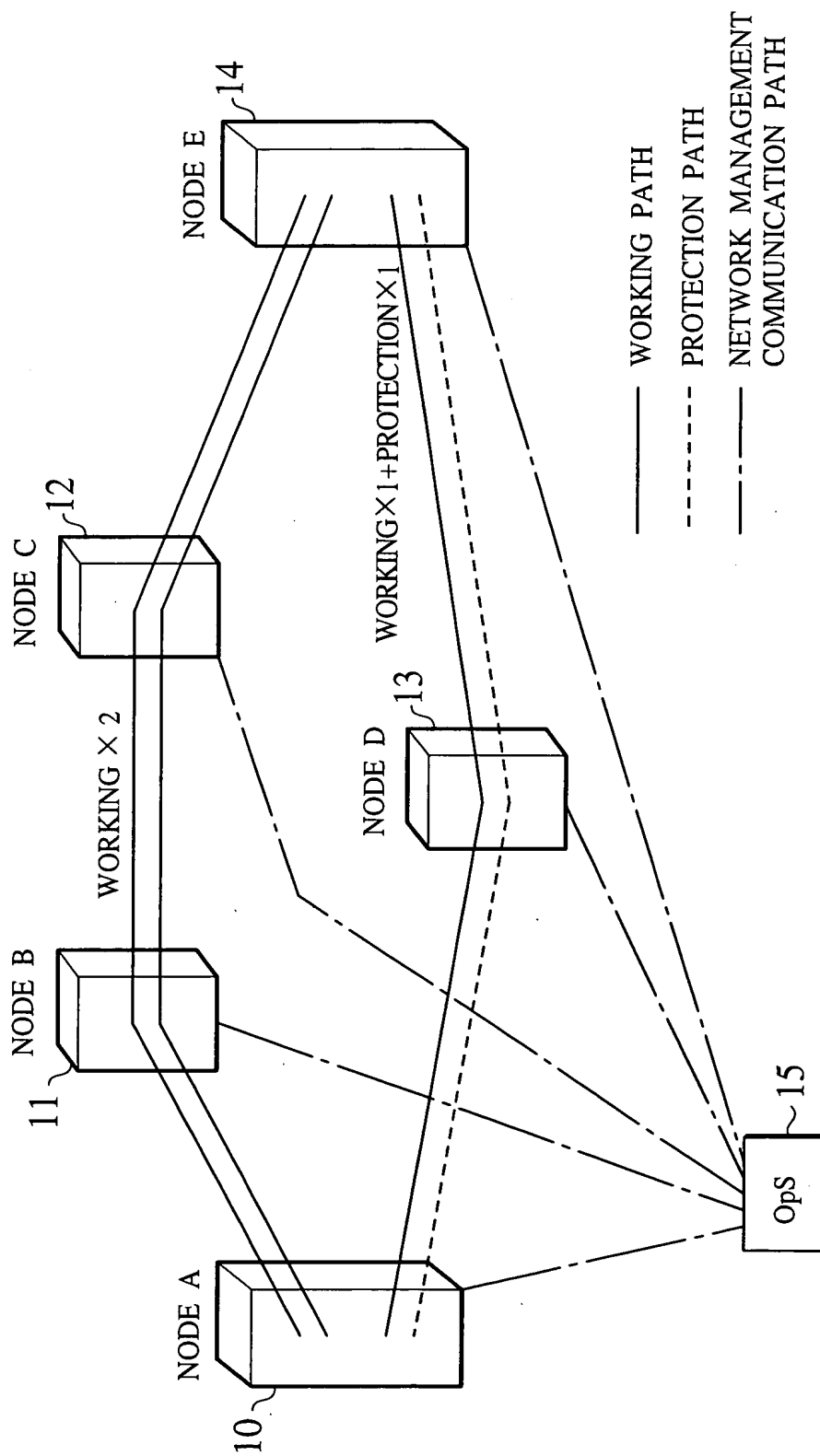


FIG.6

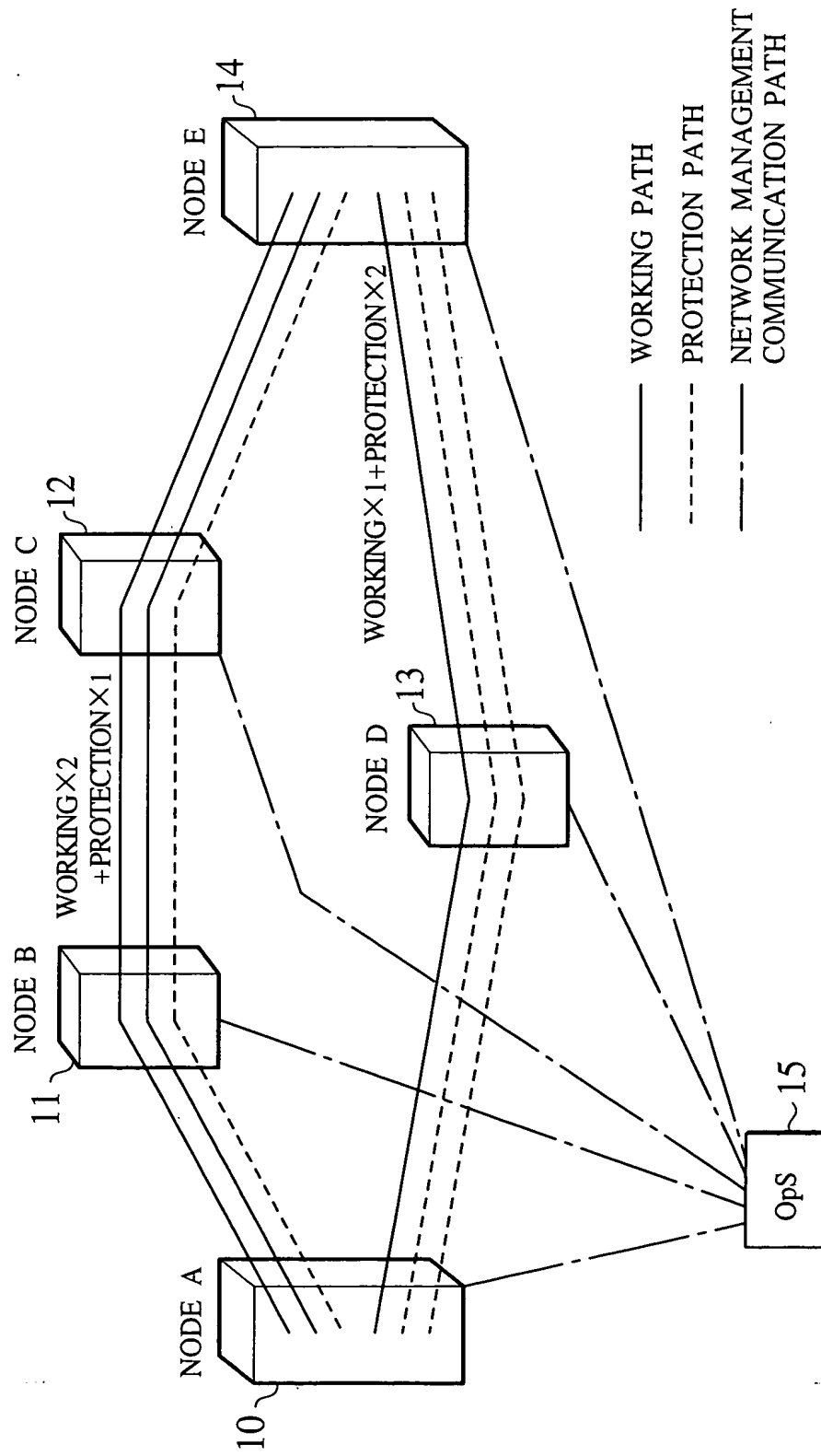


Diagram illustrating a network topology with five nodes (A, B, C, D, E) and an operator (OpS).

Legend:

- WORKING PATH (Solid line)
- PROTECTION PATH (Dashed line)
- NETWORK MANAGEMENT PATH (Dash-dot line)
- COMMUNICATION PATH (Long-dashed line)

Connections:

- Node A (10) is connected to Node B (11), Node C (12), and Node D (13).
- Node B (11) is connected to Node C (12) and Node D (13).
- Node C (12) is connected to Node D (13).
- Node D (13) is connected to Node E (14).
- Node A (10) is connected to OpS (15).
- Node B (11) is connected to OpS (15).
- Node C (12) is connected to OpS (15).
- Node D (13) is connected to OpS (15).
- Node E (14) is connected to OpS (15).

Path types:

- Working Path (Solid line): A to B, B to C, C to D, D to E.
- Protection Path (Dashed line): A to C, C to E, E to B, B to D, D to A.
- Network Management Path (Dash-dot line): A to D, D to C, C to B, B to A.
- Communication Path (Long-dashed line): A to OpS, OpS to B, B to OpS, OpS to C, C to OpS, OpS to D, D to OpS, OpS to E, E to OpS.

FIG.8

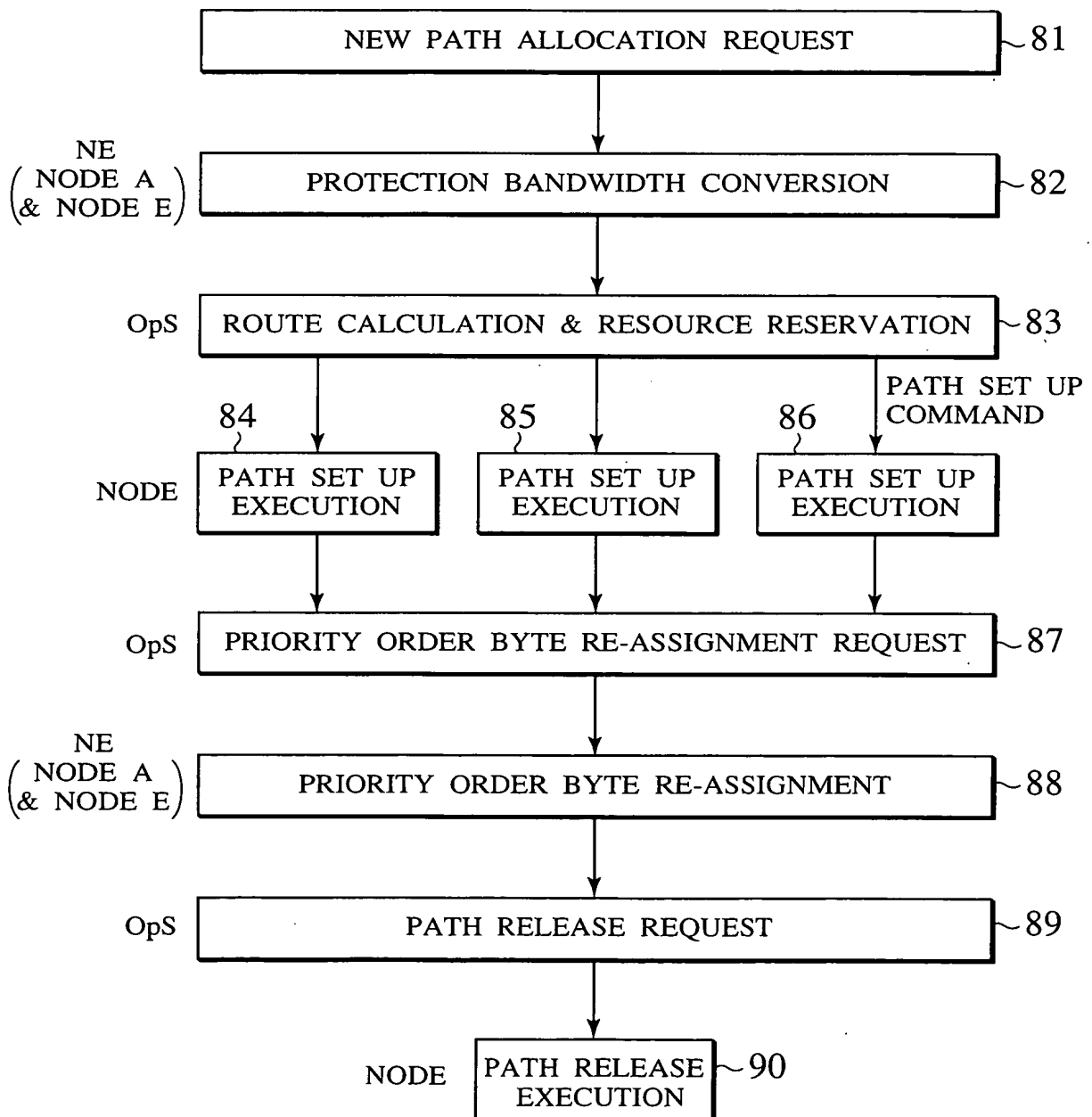


FIG.9

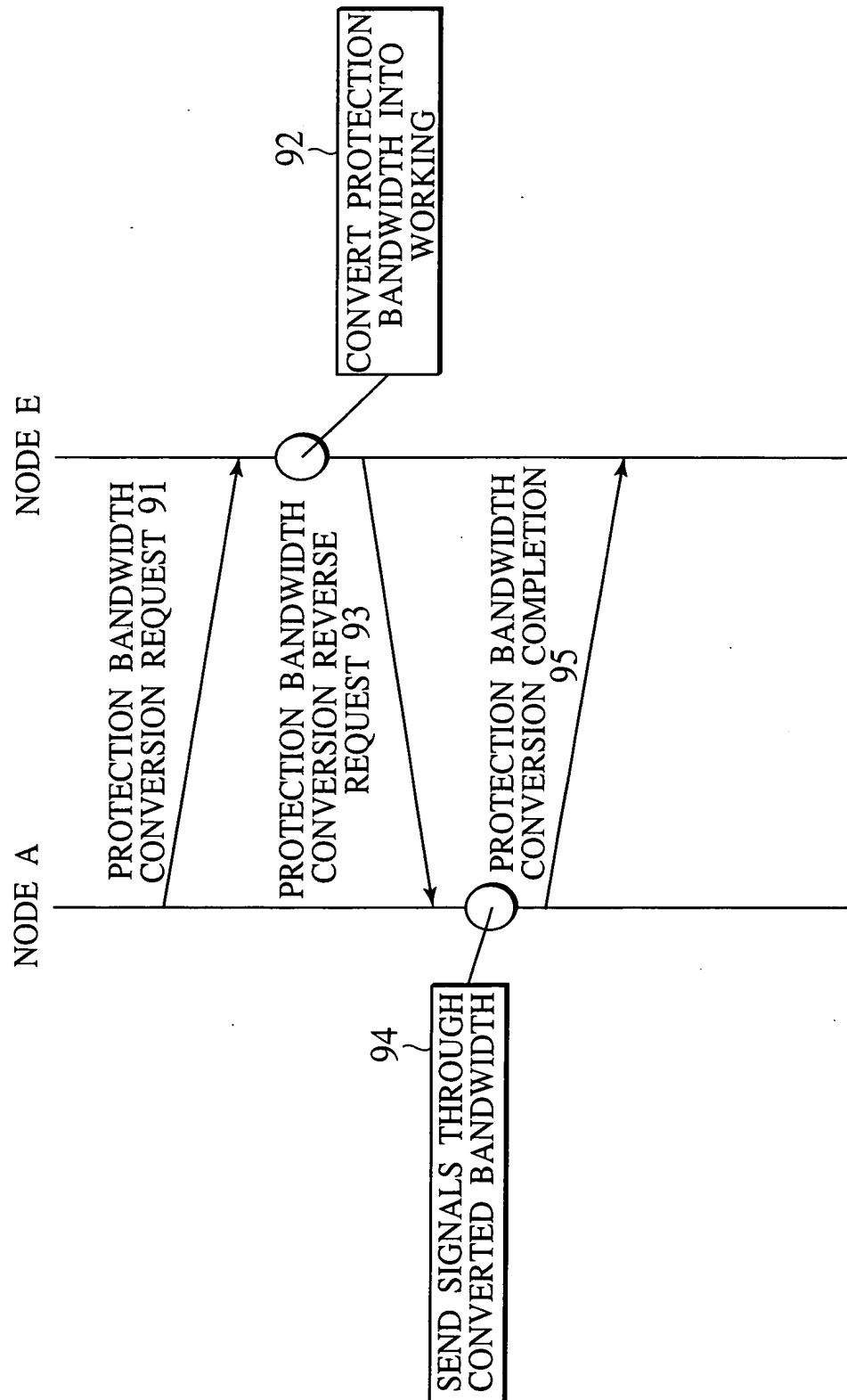


FIG.10

BIT 1~4	MEANING
0000	ORDINARY STATE
0001	PROTECTION PATH CONVERSION REQUEST
0011	PROTECTION PATH CONVERSION REVERSE REQUEST
0100	PROTECTION PATH CONVERSION COMPLETE & WAITING FOR CHANGE
0101	PROTECTION PATH CONVERSION COMPLETE & WAITING FOR CHANGE (REPLY)
0110	CHANGING PRIORITY ORDER BYTE
0111	CHANGING PRIORITY ORDER BYTE (REPLY)
OTHERS	UNDEFINED

FIG.11

BIT POSITION	MEANING
BIT 1	1 : WORKING PATH, 0 : PROTECTION PATH
BIT 2~8	PRIORITY ORDERS FROM 0 TO 127

FIG. 12

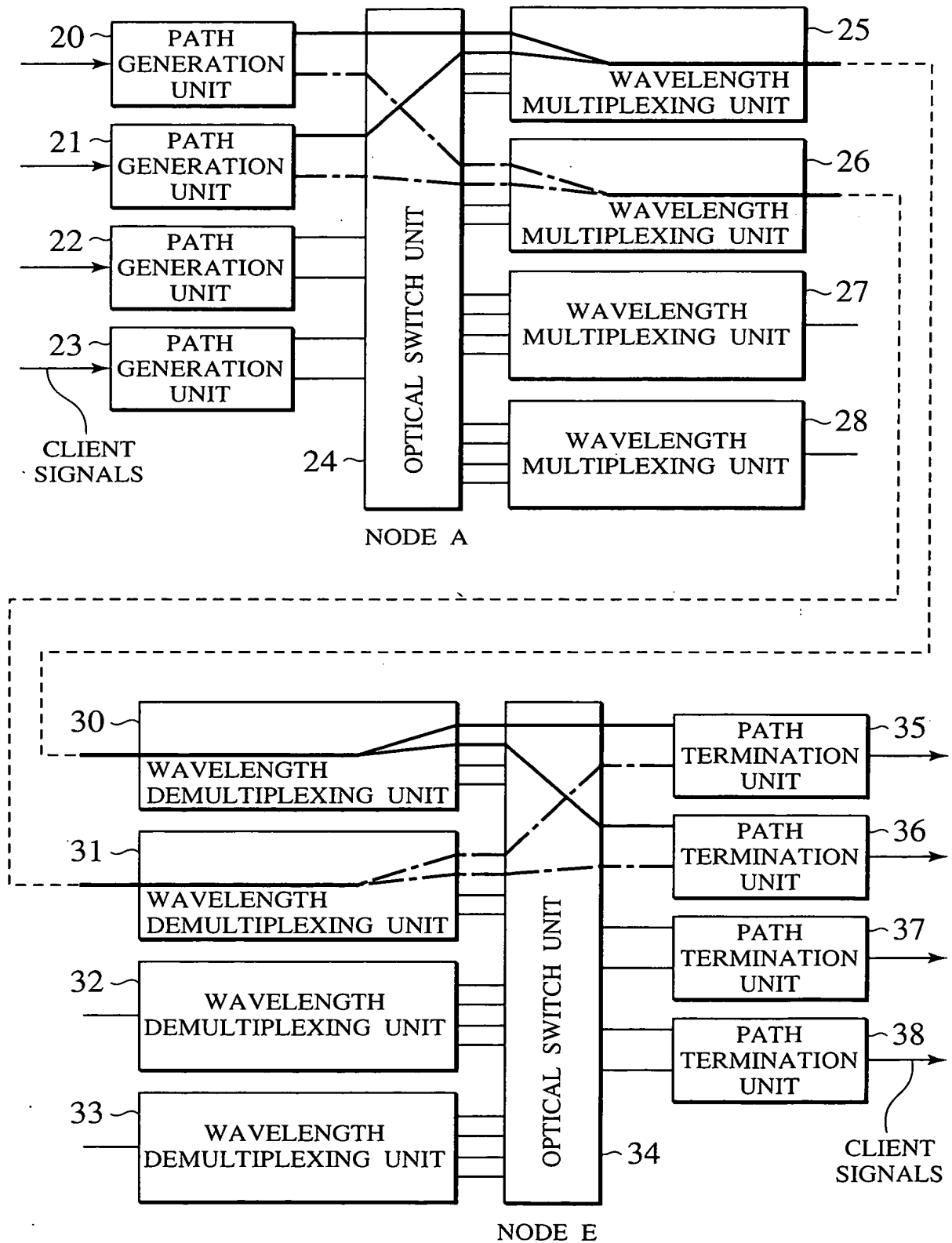


FIG.13

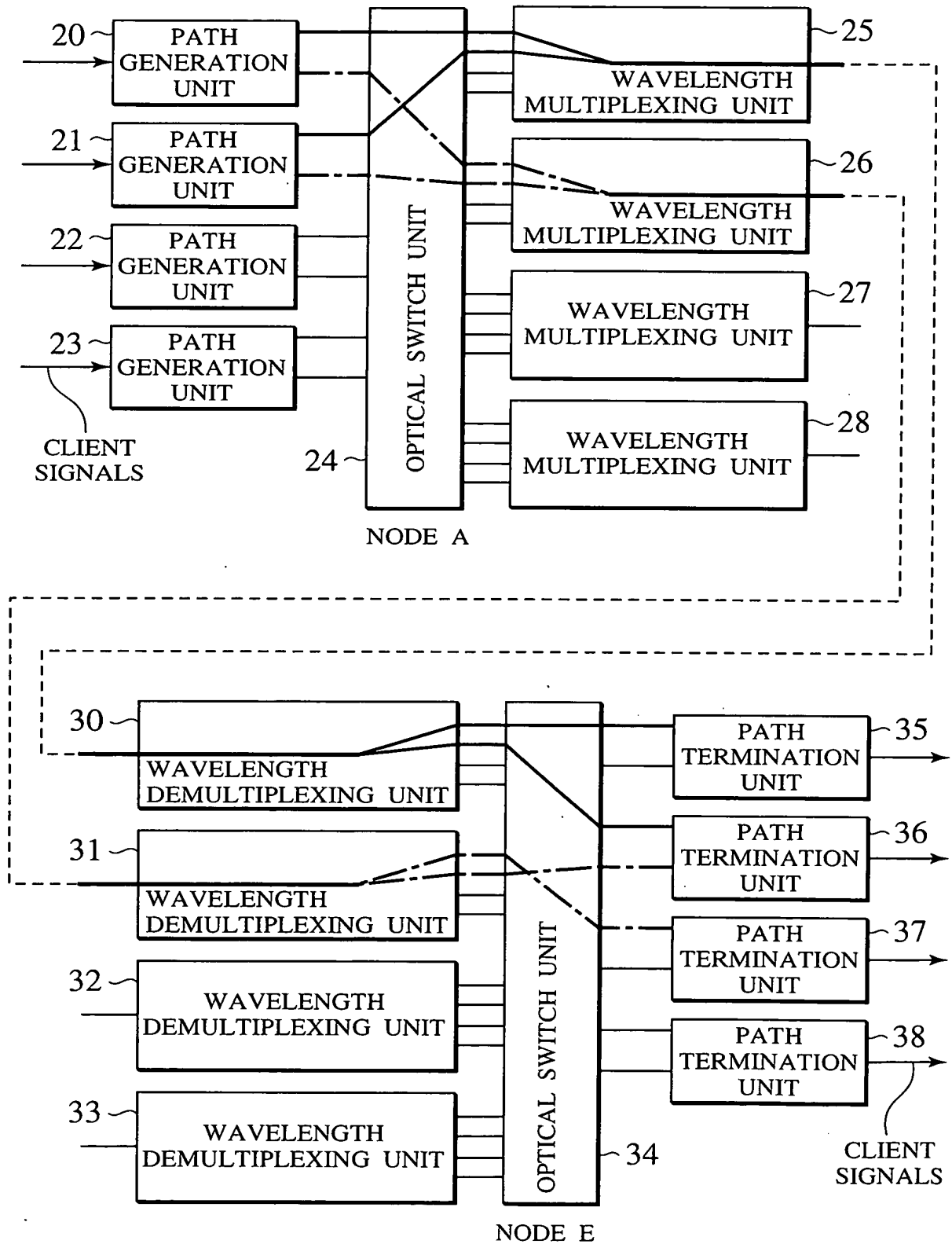


FIG.14

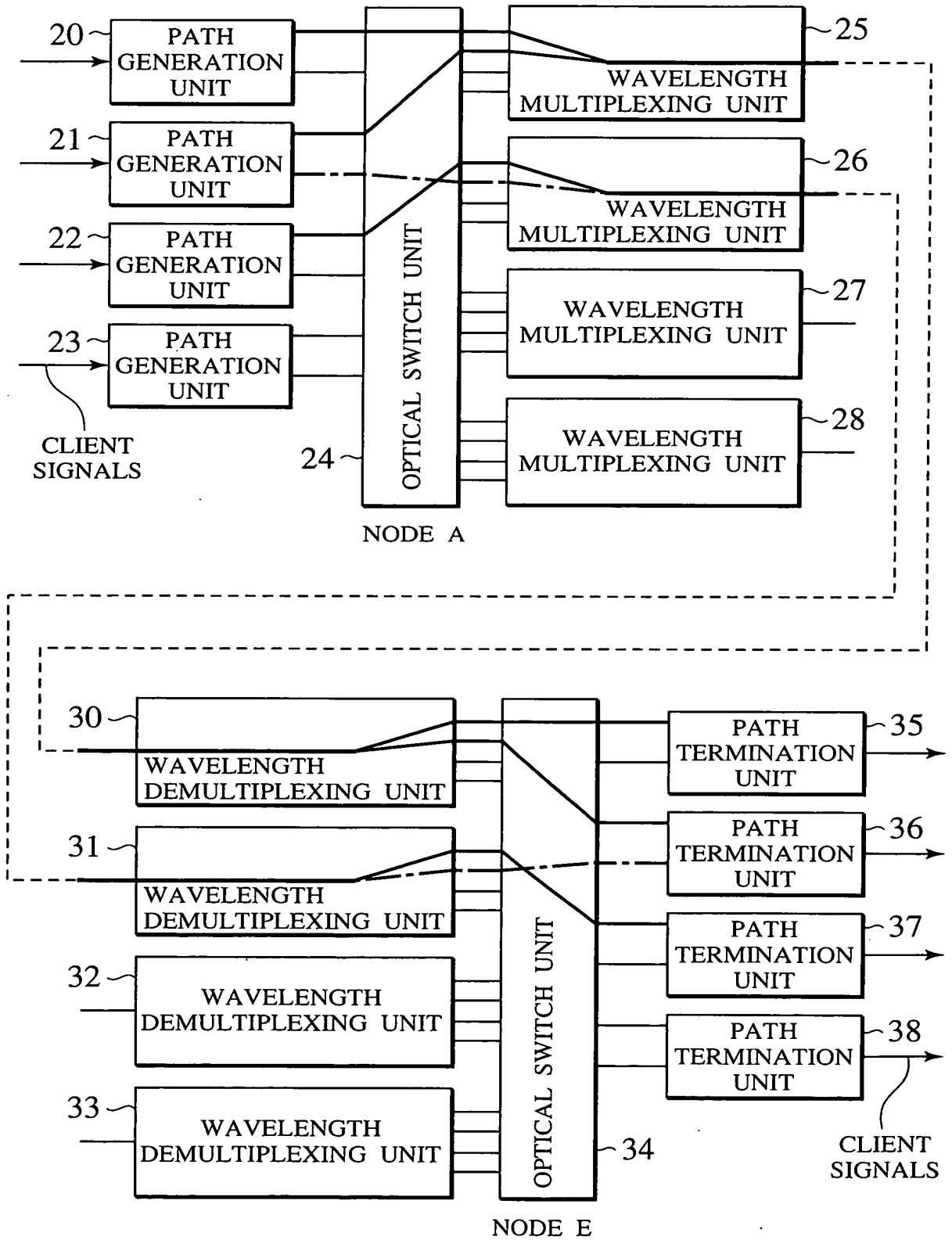


FIG. 15

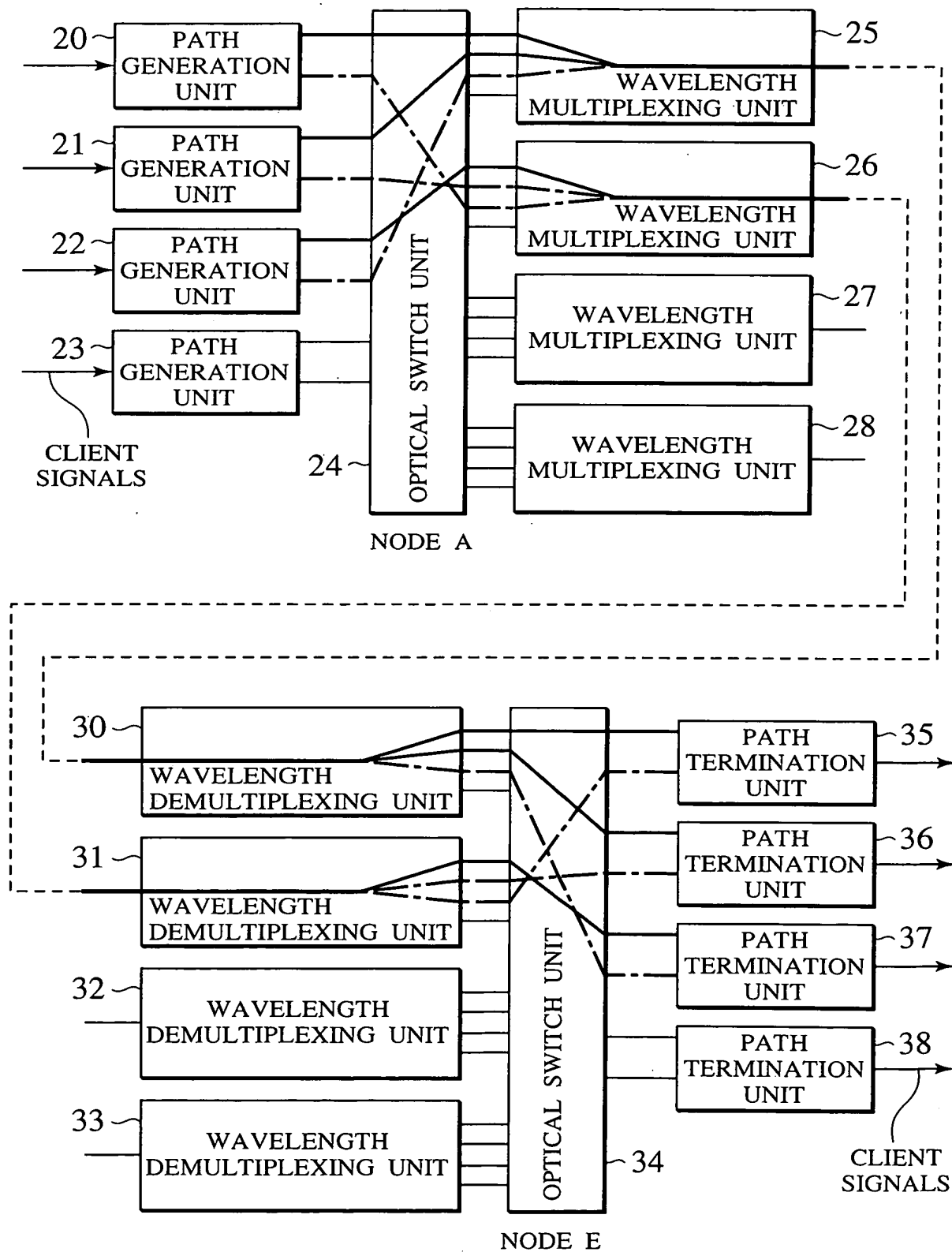


FIG.16

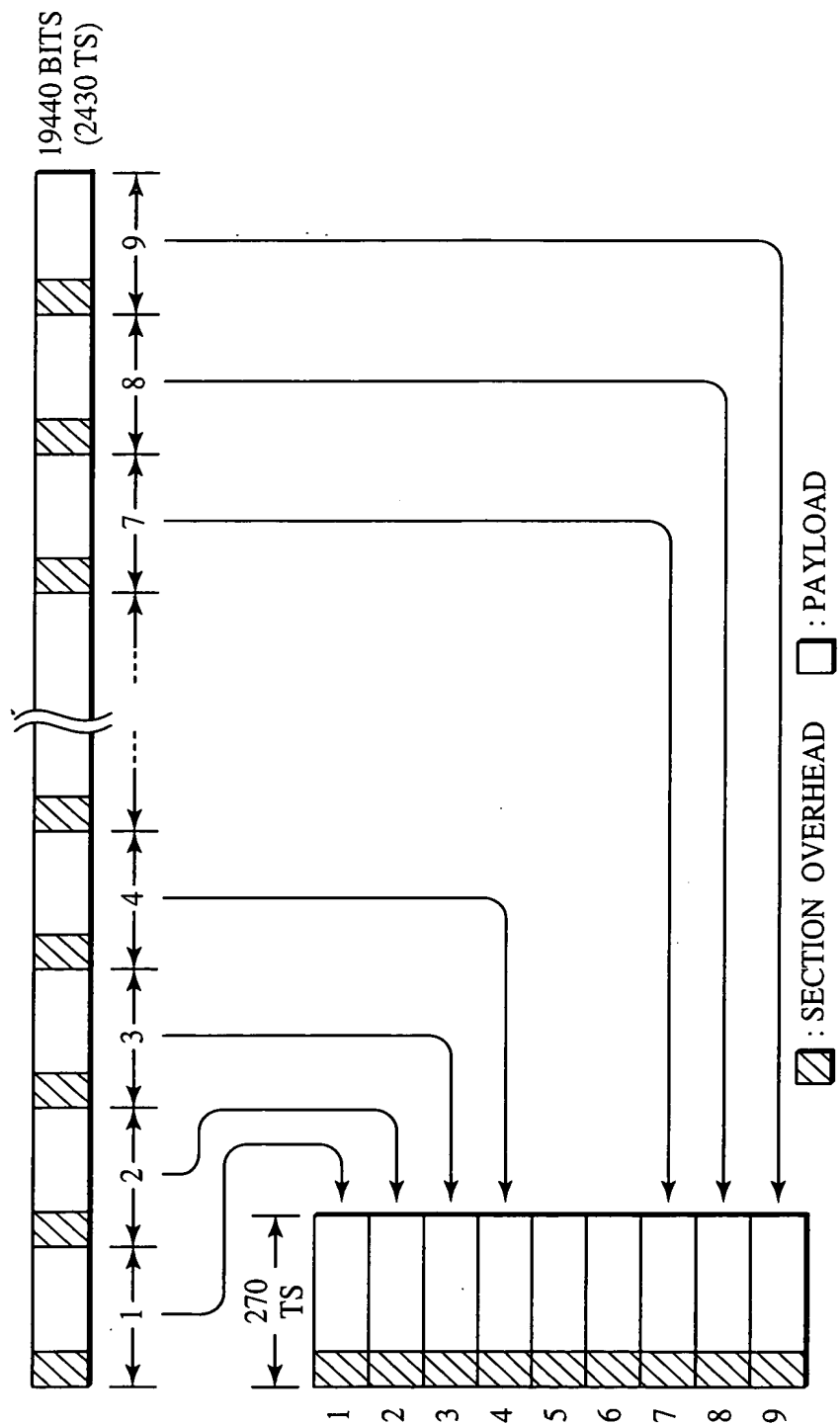


FIG.17

16/16

